

ABSTRACT OF THE DISCLOSURE

A personal authentication system includes a first electrode in a first skin area of a person to be authenticated, a second electrode in a second skin area apart from the first skin area, a measuring unit, and an authentication unit. The contact surface between the second electrode and the second skin area has a predetermined area. The measuring unit measures the resistance distribution of the epidermis in the first skin area based on a predetermined voltage that is applied between the first and second electrodes and a current flowing between the first and second electrodes through the body of the person to be authenticated. The authentication unit compares the resistance distribution of the epidermis in the first skin area of the person to be authenticated with at least part of the stored resistance distribution of the epidermis of a validated person to validate the person to be authenticated.